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# POCKET PC TALLY SHEET

Version 2 for Pocket PC

USER'S MANUAL

# **POCKET PC TALLY SHEET**

**Version 2 for Pocket PC**

**User's Manual**

**By**

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## 1. Introduction

Maurer Technology Inc., a Noble Corporation subsidiary, has developed an electronic tally sheet program for Pocket PC's. The program allows the user to conveniently build an inventory list or tally sheet for tubular products and downhole tools. For questions on the program, email to [zwang@noblecorp.com](mailto:zwang@noblecorp.com) or phone Tom Williams at 281-276-6713.

## 2. Obtaining Tally Sheet

Tally Sheet can be obtained in either of two ways.

1. It can be downloaded free from MTI's website at [www.maurertechnology.com](http://www.maurertechnology.com). Click "Software" at the left, then "Driller's Toolkit" at the top, then "Tally Sheet for Pocket PC."
2. You can order an SD card or CompactFlash Memory (CF) Card with the setup program for Tally Sheet.

## 3. Installation Procedure

**If you downloaded Tally Sheet 2.0 from our website, the installation procedure is as follows.**

1. Confirm that your Pocket PC is in its cradle and ActiveSync has synced with your device.
2. Save the downloaded file "Tally.exe" to your hard drive.
3. After the file is downloaded, open Windows Explorer and double-click the file. It will unpack itself to a folder you specify (for example: C:\temp1).
4. If you installed an old version of TallySheet (1.0) on your pocket PC, uninstall it before you install version 2.
5. To install TallySheet 2, open the unpacked folder "TallySheet 2" and double-click the file "Setup.exe." The file will install to your device through your cradle using ActiveSync.
6. Be sure to check your device for further instructions. If you get a message regarding overwriting files, select "Yes To All."
7. Copy the three sample data files: "TallyFromInvent.ts", "DirectTally.ts", and "Ttr.di" to the folder "Mobile Device\My pocket PC\My Documents" on your pocket PC.

**If the Operating System on your Pocket PC is Windows CE 3.0, pocket PC 2000, and pocket PC 2001, installation is complete. Skip to step 10.**

**If the Operating System on your Pocket PC is Pocket PC 2003, you must perform the following additional steps:**

8. Double-click the file "Setup.exe" in the folder "Upgrade for Pocket PC 2003". The file will be installed to your device through your cradle using ActiveSync.

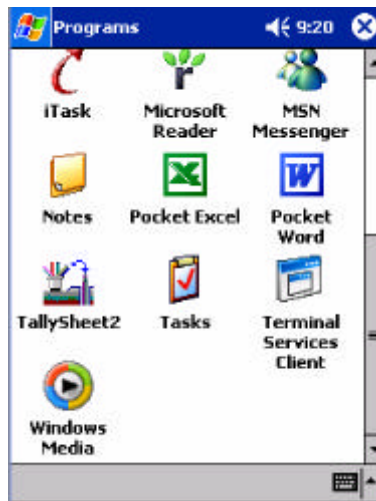
9. Be sure to check your device for further instructions. If you get a message regarding overwriting files, select "Yes To All."
10. To run Tally Sheet 2.0, select "START," then "PROGRAMS," and then "TallySheet2."

**If you ordered Tally Sheet 2 on a CompactFlash card, installation procedure is as follows.**

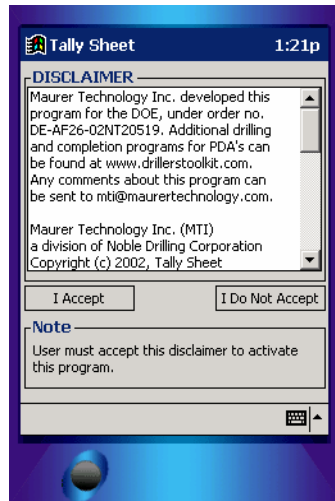
1. Fully insert the Tally Sheet 2 CF or SD card in the slot on the top of the pocket PC. (The card will only fit one way.)
2. Turn on your Pocket PC. Once the Pocket PC has recognized the card, the unit will display your Today screen (or the last program you ran).
3. Click on "START," then "PROGRAMS," and then "FILE EXPLORER".
4. Select "MY DOCUMENTS," then "MY DEVICE," and then "STORAGE CARD", SD Card, or CF Card with Tally Sheet program.
5. Select "Tally Sheet 2.0" and then click on "PPCSETUP.EXE". There will be a slight delay in the install routine while loading.
6. A message will pop up asking if you wish to install Tally Sheet. Select "YES". Then another message will pop up asking which operating system is on your pocket PC or pocket PC PHONE. If it is pocket PC 2003, select "Yes".
7. If a message reports that a file is read only, click "YES TO ALL" to overwrite.

## 4. Starting Tally Sheet

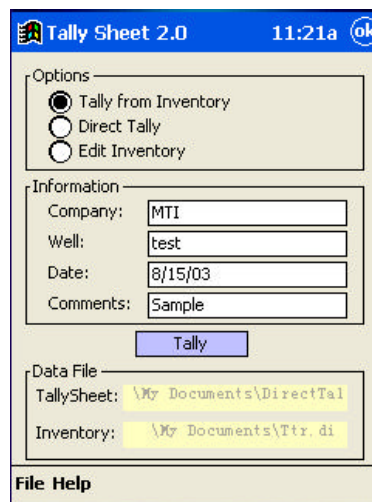
To run Tally Sheet, select "START," then "PROGRAMS," and then "TallySheet2".



The Disclaimer will be displayed:



Choose [I Accept] to activate the program. Tally Sheet's main interface will be displayed.



## 5. Operating Tally Sheet

In the main window, select one of three primary tasks to perform with Tally Sheet.

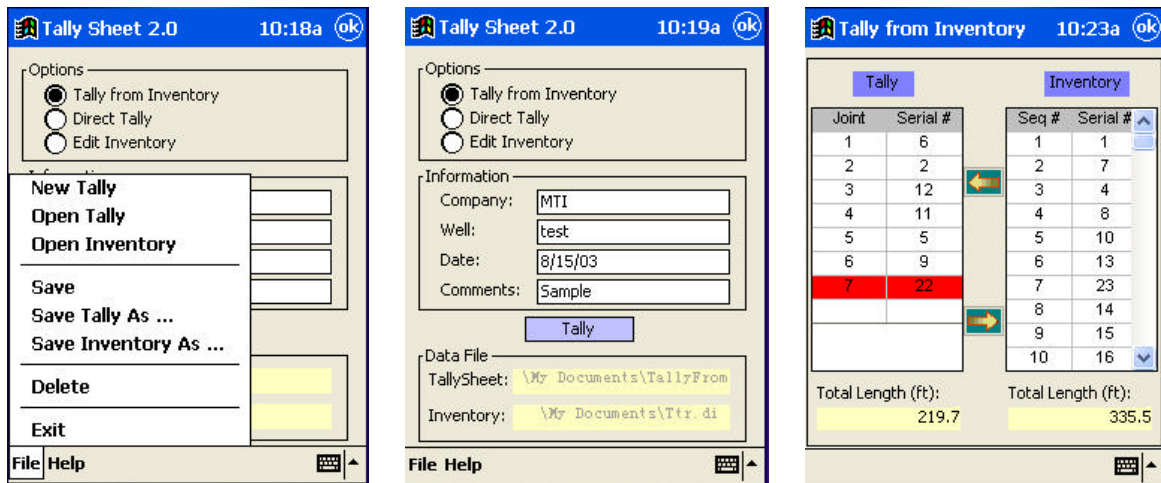
1. **Tally from Inventory.** A Tally Sheet can be created from existing inventory quickly. Many tally sheets on the same well can share inventory for this well.
2. **Direct Tally.** A different tally sheet having new data (all data must be input).
3. **Edit Inventory.** Save tubular, drill pipe or casing information in inventory on a well.

### 5.1 "Tally from Inventory" Option

If a well is new, you will need to input well information and the corresponding inventory. Enter "Well" information with the Pocket PC keyboard or double-click the input textbox to access Tally Sheet's special

input keyboard. Type the company name (Company), well name (Well), Date and Comments. Then click [Tally] button to access Tally from Inventory. In this case, we recommend that you select "Edit Inventory" first and input all of information on the well into its inventory to increase efficiency.

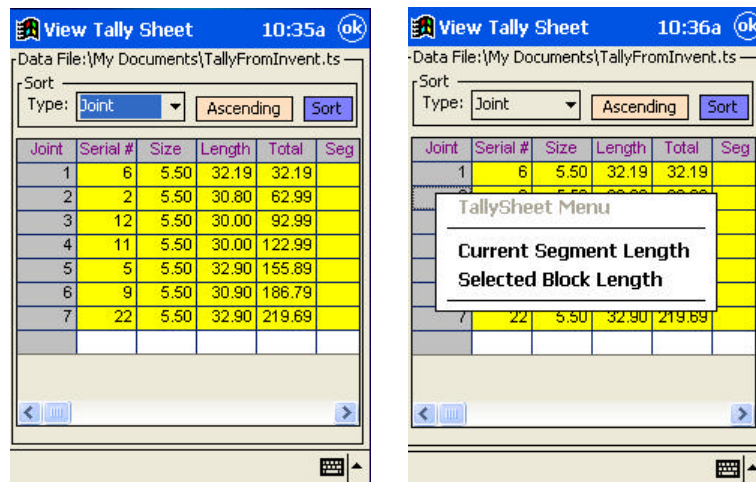
If the inventory or tally already exists, the following should be performed. Select an inventory and a tally from the File menu. Existing tallies can recall their respective inventory (see figures below).



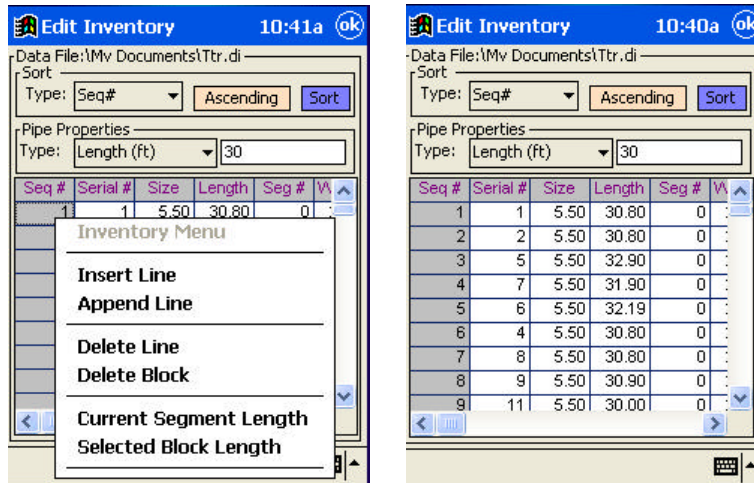
Click [Tally] to access Tally from Inventory (see the figures below). You can select a pipe, a block of pipes, or a pipe segment in inventory, and then add them to the Tally by clicking . You also can use to remove any pipe from the Tally to inventory.

A row with a **red background** in Tally indicates that this pipe is not in current inventory. You can delete it or add it to current inventory.

Click the [Tally] button on the top to enter View Tally. You can view the Tally information by selecting from pop-up menus and by various sorting functions.



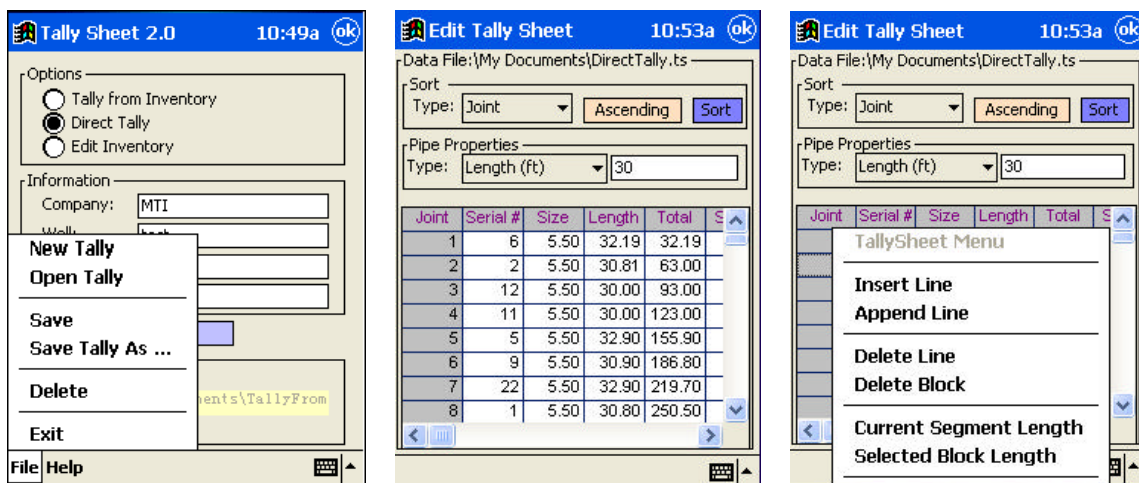
You can also press [Inventory] to enter Edit Inventory (see below). From here you can view and edit information in the current inventory.



## 5.2 "Direct Tally" Option

If you are creating a completely new tally, you will need to input well information as well as the tally. Enter "Well" information with the Pocket PC keyboard or double-click the input textbox to access Tally Sheet's special input keyboard. Type the company name (Company), well name (Well), Date and Comments. Then click [Tally] to enter Direct Tally.

If the Tally already exists (was previously created), the following is required. Select a tally file from the File menu (for example, "DirectTally.ts"), then click [Tally] to enter Edit Tally Sheet (see Direct Tally). You can view and edit current Tally data by pop-up menus and various sorting functions.

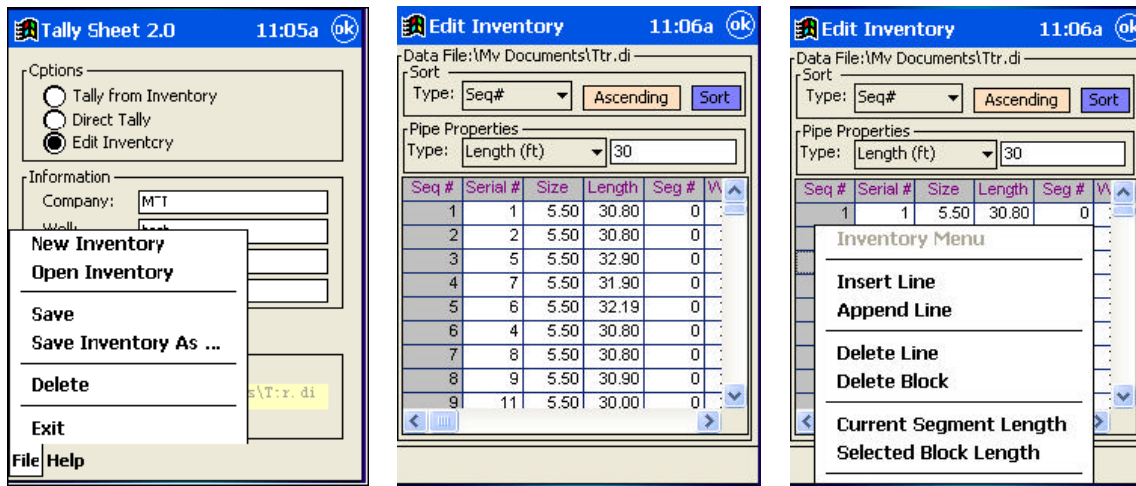




### 5.3 "Edit Inventory" Option

If an Inventory is new, you will need to input basic well information along with the inventory. Enter "Well" information with the Pocket PC Keyboard or double-click the input textbox to access Tally Sheet's special input keyboard. Type in the company name (Company), well name (Well), Date and Comments. Then click "Tally" button to enter Edit Inventory.

If the Inventory was previously created, do the following. Select an Inventory file from the File menu (for example, "Ttr.di"), then click [Tally] to enter Edit Inventory. You can view and edit the data for the current Inventory using pop-up menus and various sorting functions.



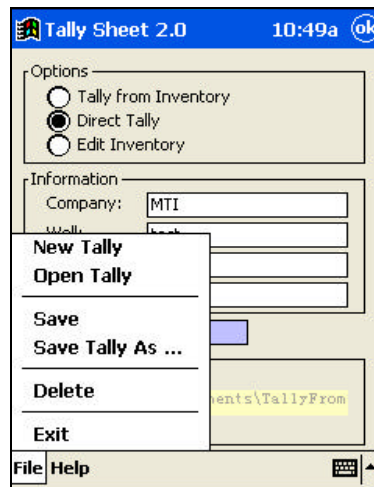
## 6. Saving Files

You should save data under a file name soon after beginning the process of inputting data. Go to the File menu, select "Save As" and enter a file name (normal character/number parameters). After every few joints or tools are entered, the file should be resaved to prevent any accidental loss of data.

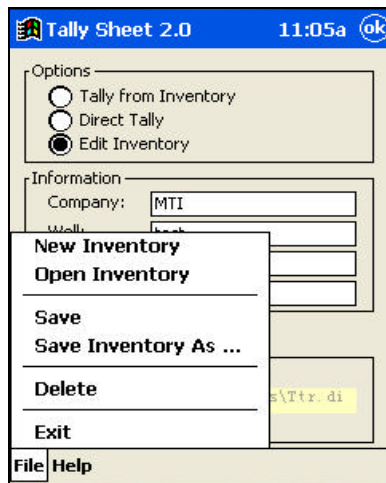
### 1) Saving a Tally from Inventory



## 2) Saving a Direct Tally



## 3) Saving an Inventory



## 7. Building Inventories and Tally Sheets

There are two ways to build a tally sheet: 1) build a tally sheet from inventory; or 2) create a direct tally sheet. In addition, there are three ways to build an inventory: 1) edit an inventory directly, 2) enter into edit an inventory in Tally from Inventory, or 3) create an inventory from a Tally Sheet.

### 7.1 Building a Tally

The tally Sheet includes the following information on drill pipe or casing.


- Serial Number (serial #). This is an ID number for drill pipe or casing and is unique number for that drill pipe.
- Size

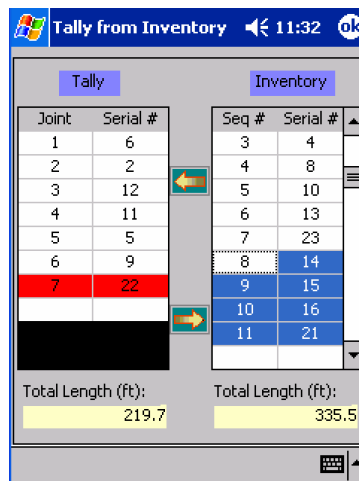
- Length
- Segment Number (seg #). In order to speed editing of the tally sheet, pipes that work together are combined into a group. When editing or removing pipes, pipes in the same segment are alike. When the segment number of a pipe is equal to 0, this indicates that it works alone.
- Weight is the linear density. Its unit is lb/ft.
- Grade
- Thread
- Description

### 7.1.1 Building a Tally from Inventory

On the Tally Sheet main interface, click "Tally from Inventory" and open a tally data file and inventory file. Click [Tally] button to enter Tally from Inventory interface. There are two tables in the Tally from Inventory screen. The left table is the tally sheet. The right table is inventory. You can easily pull in data from inventory.

#### 1) Add pipe(s) into Tally Sheet

- Select one pipe, one segment, or several pipes in the Inventory
- Specify where the pipes will be placed in the Tally Sheet
- Press . Selected pipes are then moved into Tally



Select a segment (Serial #14, 15, 16, and 21)

The first screenshot shows the 'Tally' table with rows 1-6 and row 7 highlighted in red. The 'Inventory' table has rows 3-11. The 'Total Length (ft)' for Tally is 219.7 and for Inventory is 335.5.

The second screenshot shows the 'Tally' table with rows 2-10 and row 11 highlighted in red. The 'Inventory' table has rows 1-7. The 'Total Length (ft)' for Tally is 339.7 and for Inventory is 215.5.

Row to be inserted is before ser #5

Press to import

## 2) Remove pipe(s) from Tally Sheet to Inventory

- Select one pipe, one segment, or several pipes in Tally Sheet

The 'Tally' table shows rows 2-11, with rows 5 through 11 highlighted in blue. The 'Inventory' table shows rows 1-7. The 'Total Length (ft)' for Tally is 339.7 and for Inventory is 215.5.

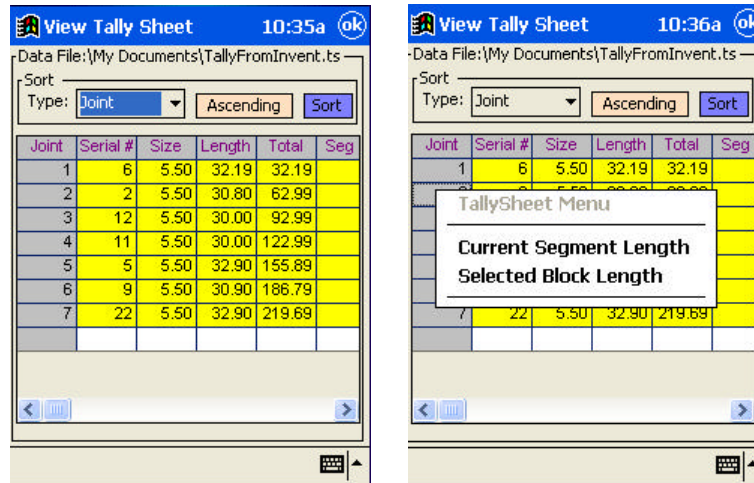
- Press . The selected pipes are moved to Inventory

The 'Tally' table now shows rows 1-6, with row 7 highlighted in red. The 'Inventory' table shows rows 2-11, with row 8 highlighted in blue. The 'Total Length (ft)' for Tally is 219.7 and for Inventory is 335.5.

If a pipe is not included in Inventory, that line of the pipe is shown in red. When you remove it to inventory, you will be asked to confirm.

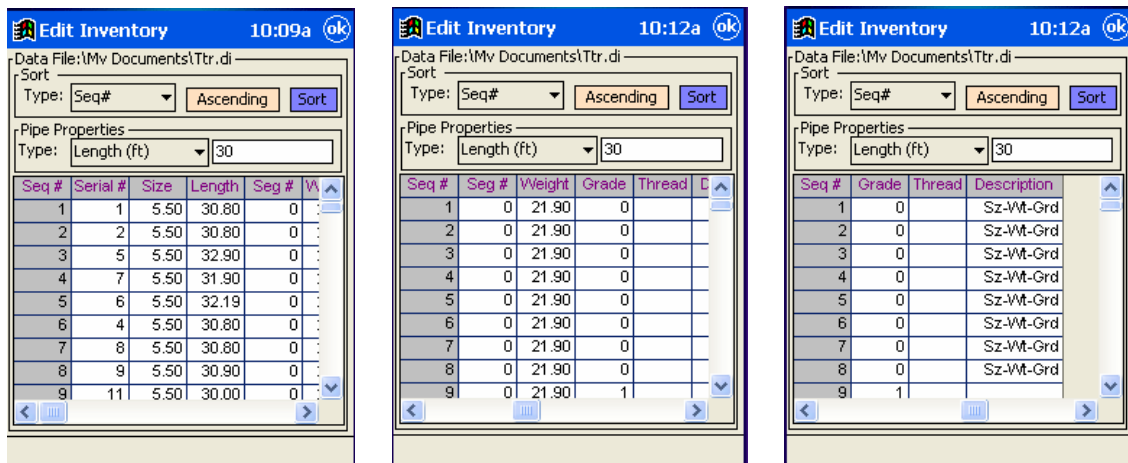
### 3) View Tally Sheet

Click the [Tally] button on the top to enter View Tally.



### 4) Edit Inventory

Click the Inventory button on the top to enter Edit Inventory (Edit Inventory).



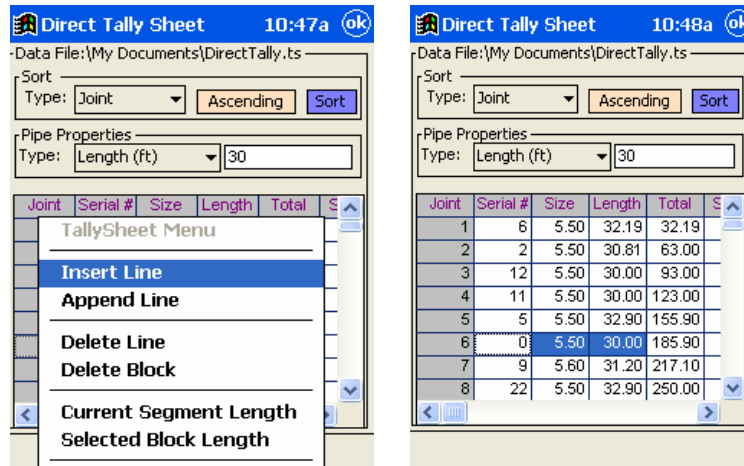
## 7.1.2 Building a Direct Tally

On the tally sheet main interface, click "Direct Tally" and select a tally data file. Click [Tally] to enter the Direct Tally interface. There are two areas in the "Direct Tally" screen. The upper area includes sorting parameters and default pipe properties. The lower section is the Tally table. You can use a pop-up menu to insert a line in the table, append a line to the end of table, delete a line, or delete a block of pipes you select. You can also display pipe length with a pop-up menu.

### 1) Insert a line

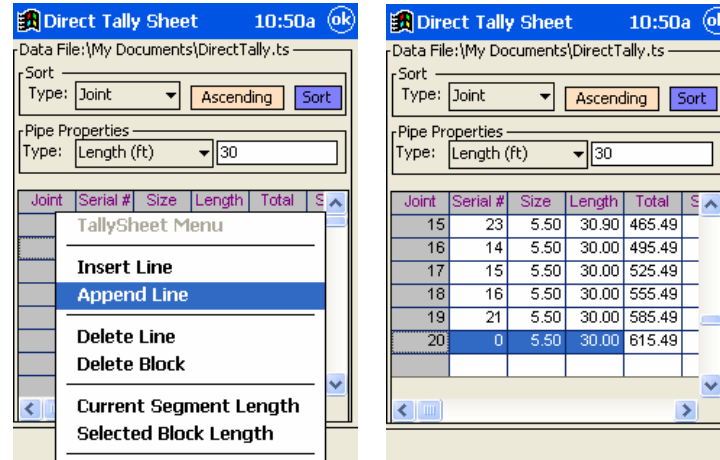
To increase editing efficiency, you should input default pipe properties (length, size, weight, grade, thread, and description) in the upper area before a line is inserted. Double-click the input box for pipe properties to open the MTI special input keyboard.

The figures show how to insert a new line above Serial# =9.



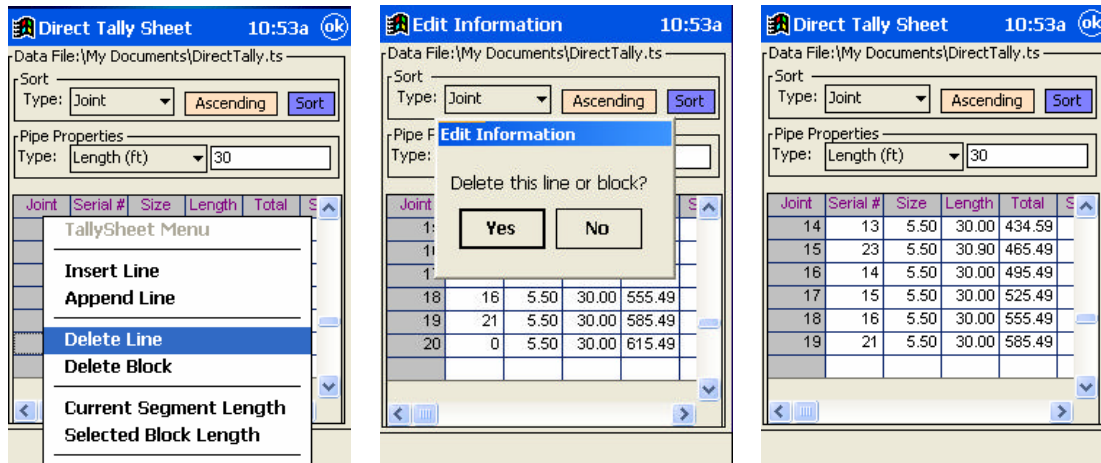
### 2) Append a line

The figures show how to append a new line to the end of the tally table.



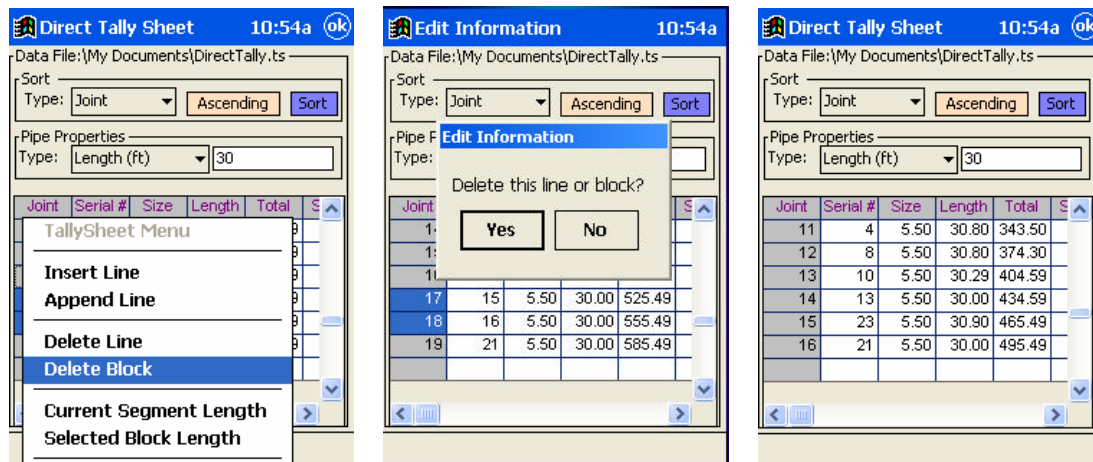
### 3) Delete a line

The current line can be deleted by a pop-up menu. Below is shown how to delete current line (row = 20).



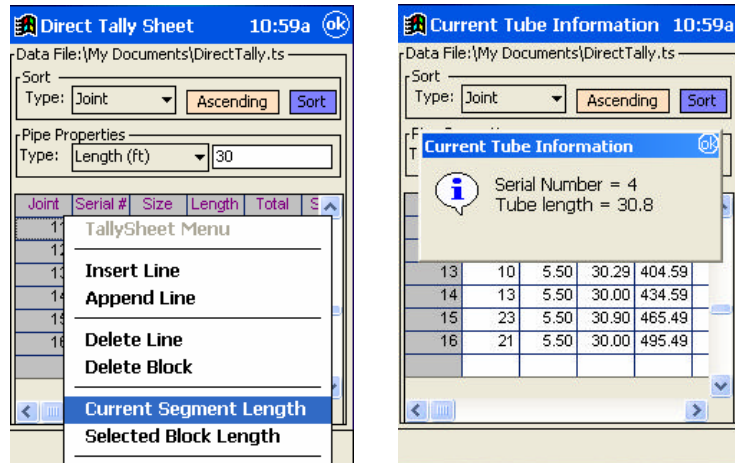
#### 4) Delete a block

A selected block can be deleted by a pop-up menu. Below is shown how to delete a block (from 16 to 19).

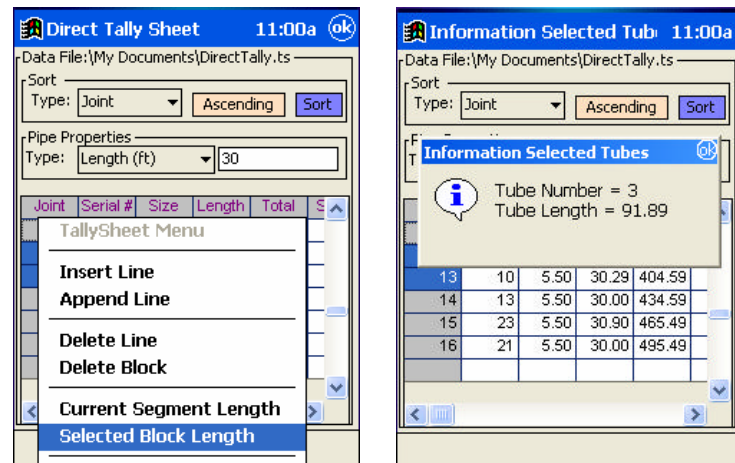


#### 5) Display Pipe Length

You can display the length of the current pipe or a selected block of pipes. For example, display the length of single pipe or segment (Serial# =4, no segment)



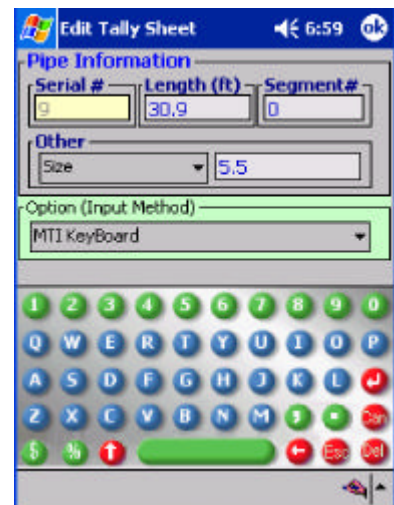
Display the length of a block, for example, selected lines from 11 to 13.



## 6) Modify Data

To edit data for a particular pipe, double-click the row in the Tally Sheet for that pipe. For example, to edit the pipe with Serial #9, double click to enter the special MTI input keyboard (see figure).

You can input data via the MTI keyboard similarly to the general keyboard. You can also select any one of six input methods as you prefer in the Options (Input Method) frame. To input or edit any data, click its input box and edit it. You can also edit data for size, weight, grade, thread, or description by clicking the list. After any edits are complete, click <enter> or <OK> to accept edited data, or click <Cancel> to ignore the changes.





**Edit Tally Sheet** 11:35

**Pipe Information**

Serial #  Length (ft)  Segment #

**Other**

Size

Option (Input Method)

MTI NumPad

4 5 6 7 8 9

1 2 3 0 . -

( ) Bk OK Clear Cancel

**Direct Tally Sheet** 10:44a

Data File: \\My Documents\\DirectTally.ts

Sort

Type: Joint Ascending Sort

Pipe Properties

Type: Length (ft) 30

| Joint | Serial # | Size | Length | Total  |
|-------|----------|------|--------|--------|
| 1     | 6        | 5.50 | 32.19  | 32.19  |
| 2     | 2        | 5.50 | 30.81  | 63.00  |
| 3     | 12       | 5.50 | 30.00  | 93.00  |
| 4     | 11       | 5.50 | 30.00  | 123.00 |
| 5     | 5        | 5.50 | 32.90  | 155.90 |
| 6     | 9        | 5.6  | 31.2   | 186.80 |
| 7     | 22       | 5.50 | 32.90  | 219.70 |
| 8     | 1        | 5.50 | 30.80  | 250.50 |

## 7) Sort Data

You can use sort the data by type (Joint, Serial number, Size, Length, or Segment) and sort criteria (Ascending or Descending).

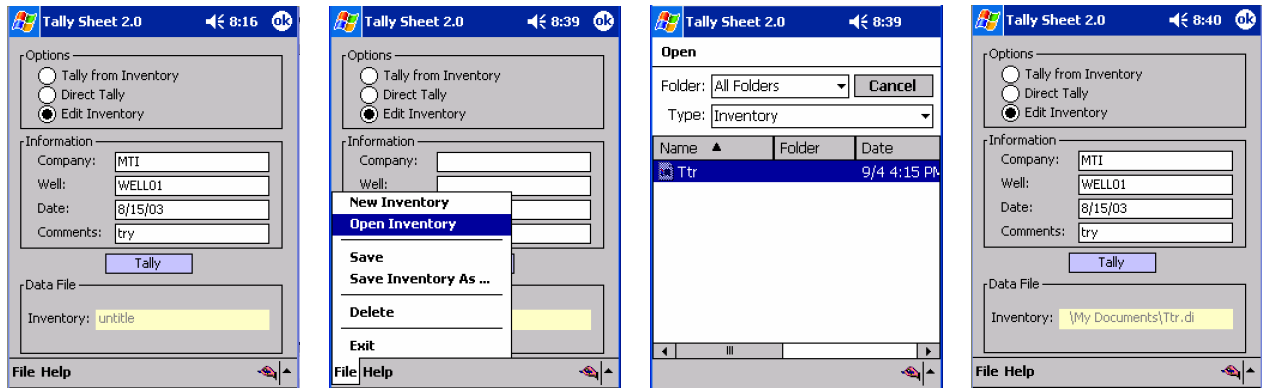
## 7.2 Building an Inventory

The inventory includes: Sequence Number (Seq#), Serial Number (serial#), Size, Length, Segment Number (seg#), Weight, Grade, Thread, and Description. To edit the inventory, select one of the following methods.

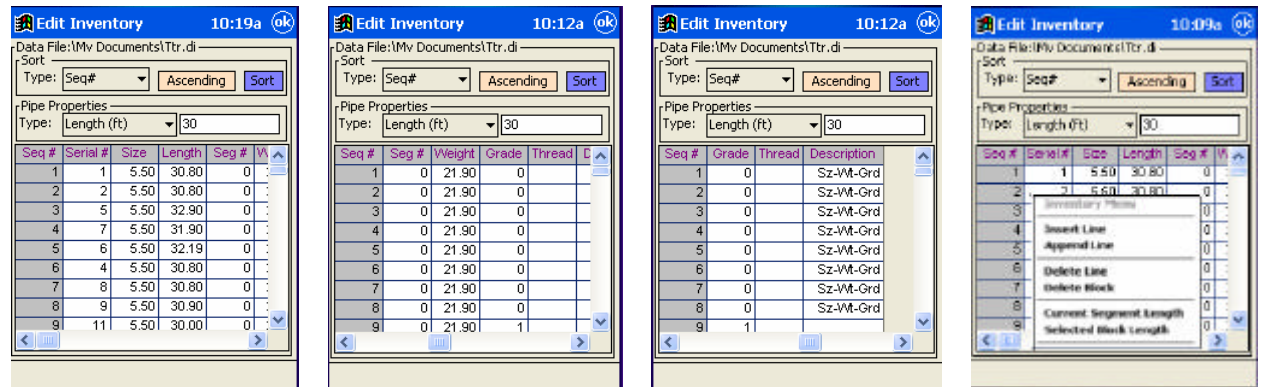
1. Enter/edit Inventory directly
2. Enter/edit inventory from option "Tally from Inventory"
3. Convert Tally Data to Inventory Data

### 7.2.1 Enter/Edit Inventory Directly

Select the option "Edit Inventory", and open an existing inventory data file (or new), and then press [Tally] (see below).



Open inventory data file –Ttr.di

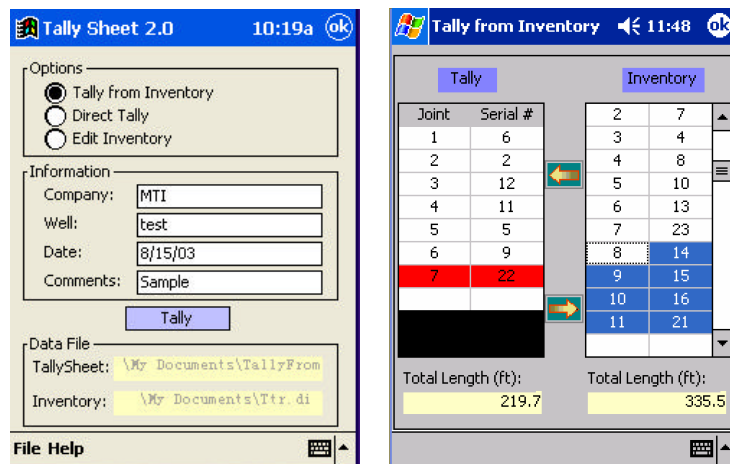


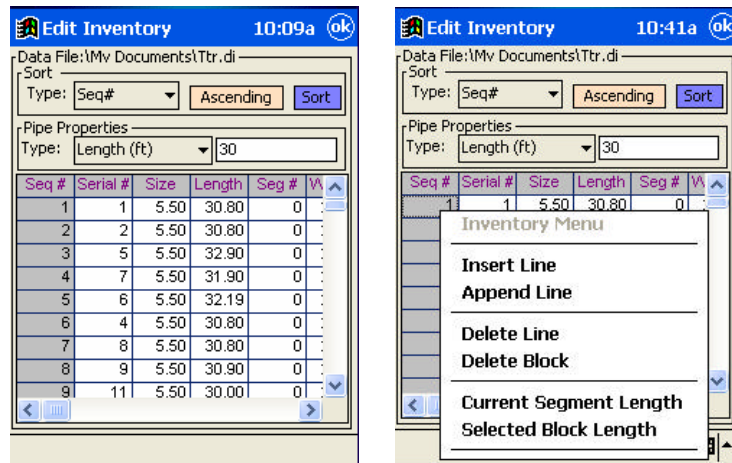
Edit Inventory Interface

You can use the method of editing Direct Tally to edit the inventory.

## 7.2.2 Enter/Edit Inventory from option "Tally from Inventory"

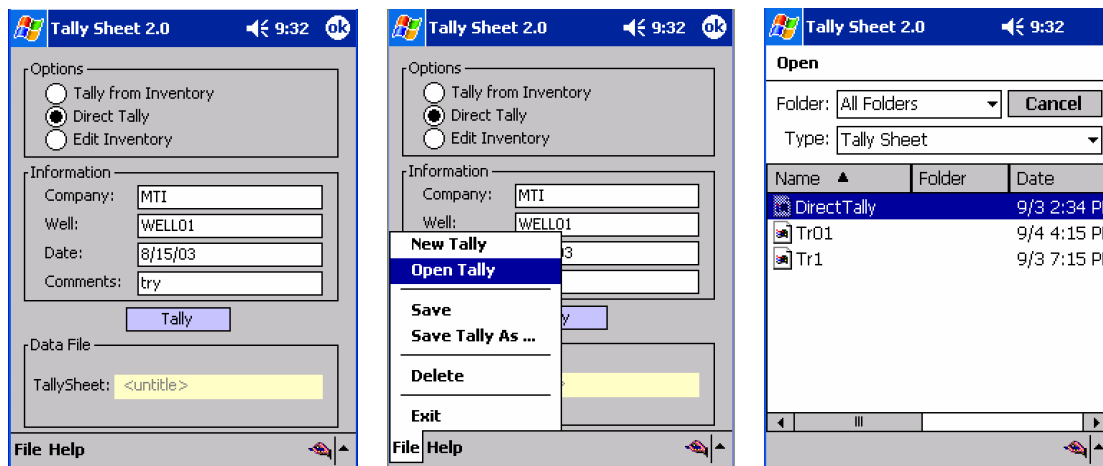
On the tally sheet main interface, click "Tally from Inventory" and open a tally data file and inventory file. Click [Tally] to enter the Tally from Inventory interface. Click the **Inventory** button on the top of the inventory table to open the Edit Inventory window. Editing functions are described in Section 7.2.1.





### 7.2.3 Convert Tally Data to Inventory Data

Select the "Direct Tally" option and open an existing Direct Tally data file. Next, select "Tally from Inventory" and press the [Tally] button. This process is illustrated below.



Select "Direct Tally"

Select "Open Tally" from File menu

Select "DirectTally.ts" data file

**Tally Sheet 2.0** 9:32 ok

Options:  
☐ Tally from Inventory  
☒ Direct Tally  
☐ Edit Inventory

Information:  
 Company: MTI  
 Well: WELL01  
 Date: 8/15/03  
 Comments: try

Tally

Data File:  
 TallySheet: \\My Documents\\DirectTally.ts

File Help

Open "DirectTally.ts" file

**Tally Sheet 2.0** 9:33 ok

Options:  
☒ Tally from Inventory  
☐ Direct Tally  
☐ Edit Inventory

Information:  
 Company: MTI  
 Well: WELL01  
 Date: 8/15/03  
 Comments: try

Tally

Data File:  
 TallySheet: \\My Documents\\DirectTally.ts  
 Inventory: untitled

File Help

Select "Tally from Inventory",  
then click [Tally]

**Tally from Inventory** 9:34 ok

Tally

| Joint | Serial # |
|-------|----------|
| 9     | 7        |
| 10    | 4        |
| 11    | 8        |
| 12    | 10       |
| 13    | 13       |
| 14    | 23       |
| 15    | 14       |
| 16    | 15       |
| 17    | 16       |
| 18    | 21       |

Inventory

| Seq # | Serial # |
|-------|----------|
|       |          |
|       |          |
|       |          |
|       |          |
|       |          |
|       |          |
|       |          |
|       |          |
|       |          |
|       |          |

Total Length (ft): 555.2      Total Length (ft): 0.0

Display "Tally from Inventory" screen

If any pipe in the tally is not in Inventory, that pipe will be displayed with a **red background**. You can move all pipes shown in red into the inventory. In this way, new inventory can be defined from the tally sheet. This process is shown below.

**Tally from Inventory** 9:43 ok

Tally

| Joint | Serial # |
|-------|----------|
| 1     | 6        |
| 2     | 2        |
| 3     | 12       |
| 4     | 11       |
| 5     | 5        |
| 6     | 9        |
| 7     | 22       |
| 8     | 1        |
| 9     | 7        |
| 10    | 4        |

Inventory

| Seq # | Serial # |
|-------|----------|
|       |          |
|       |          |
|       |          |
|       |          |
|       |          |
|       |          |
|       |          |
|       |          |
|       |          |
|       |          |

Total Length (ft): 555.2      Total Length (ft): 0.0

Select pipes and press

**Tally from Inventory** 9:44 ok

Tally

Inventory

**Tally Information**

Add new pipe from Tally Sheet to Inventory?

Yes No Cancel

Total Length (ft): 555.2      Total Length (ft): 0.0

Confirm

**Tally from Inventory** 10:06 ok

Tally

| Joint | Serial # |
|-------|----------|
| 1     | 4        |
| 2     | 8        |
| 3     | 10       |
| 4     | 13       |
| 5     | 23       |
| 6     | 14       |
| 7     | 15       |
| 8     | 16       |
| 9     | 21       |

Inventory

| Seq # | Serial # |
|-------|----------|
| 1     | 6        |
| 2     | 2        |
| 3     | 12       |
| 4     | 11       |
| 5     | 5        |
| 6     | 9        |
| 7     | 22       |
| 8     | 1        |
| 9     | 7        |


Total Length (ft): 272.8      Total Length (ft): 282.4

Send selected data to inventory

Tally from Inventory 10:07 ok

| Tally |        | Inventory |        |
|-------|--------|-----------|--------|
| Joint | Serial | Seq #     | Serial |
| 1     | 4      | 1         | 6      |
| 2     | 8      | 2         | 2      |
| 3     | 10     | 3         | 12     |
| 4     | 13     | 4         | 11     |
| 5     | 23     | 5         | 5      |
| 6     | 14     | 6         | 9      |
| 7     | 15     | 7         | 22     |
| 8     | 16     | 8         | 1      |
| 9     | 21     | 9         | 7      |

Total Length (ft): 272.8      Total Length (ft): 282.4

Select pipes and press 

Tally from Inventory 10:07 ok

| Tally |          | Inventory |          |
|-------|----------|-----------|----------|
| Joint | Serial # | Seq #     | Serial # |
|       |          | 1         | 6        |
|       |          | 2         | 2        |
|       |          | 3         | 12       |
|       |          | 4         | 11       |
|       |          | 5         | 5        |
|       |          | 6         | 9        |
|       |          | 7         | 22       |
|       |          | 8         | 1        |
|       |          | 9         | 7        |
|       |          | 10        | 4        |

Total Length (ft): 0.0      Total Length (ft): 555.2

Send selected data to inventory again

Tally from Inventory 10:10 ok

| Tally |          | Inventory |          |
|-------|----------|-----------|----------|
| Joint | Serial # | Seq #     | Serial # |
| 1     | 6        | 1         | 8        |
| 2     | 2        | 2         | 10       |
| 3     | 12       | 3         | 13       |
| 4     | 11       | 4         | 23       |
| 5     | 5        | 5         | 14       |
| 6     | 9        | 6         | 15       |
| 7     | 22       | 7         | 16       |
| 8     | 1        | 8         | 21       |
| 9     | 7        |           |          |
| 10    | 4        |           |          |

Total Length (ft): 313.2      Total Length (ft): 242.0

Finish converting Tally Data to Inventory Data